

Southern California Association of Governments

Transportation Finance Task Force

CTC Coordination Revenue and Cost Model

Los Angeles, CA June 14, 2006

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Introduction



Since our last Finance Task Force meeting, we have...

- ➤ Spoken with representatives of each County Transportation Commission (CTC) about:
 - Constrained project lists and costs
 - Revenue forecasts
- > Thought about implications for the model, such as
 - Need to handle diverging assumptions
 - Potential sales tax measures
 - Different end dates for long-range plans



We interviewed people at every CTC plus IVAG and Metrolink

Organization	Representative(s)
Imperial Valley Association of Governments (IVAG)	Rosa Lopez, Staff
Los Angeles County Metropolitan Transportation Authority (LACMTA)	Gloria Anderson, Long Range Planning Doug Kim, Long Range Planning Ron Smith, Transportation Funding
Orange County Transportation Authority (OCTA)	Richard Marcus, <i>Planning and Development</i> Darrell Johnson, <i>Capital Programs</i>
Riverside County Transportation Commission (RCTC)	Shirley Medina, <i>Program Management</i>
San Bernardino Associated Governments (SANBAG)	Ty Schuiling, Planning and Programming
Ventura County Transportation Commission (VCTC)	Peter De Haan, Transportation Programming, Legislation, and Grants
Southern California Regional Rail Authority (Metrolink)	Joanna Capelle, Grants and Strategic Development

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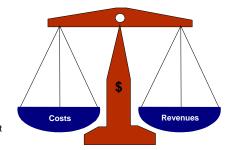
We asked about both revenues and project costs

Revenues

- > What are your primary revenue sources?
- ➤ How do you forecast revenue (i.e., sources, forecast year, discounting, drivers, etc.)?
- What are the primary issues that will impact future revenue?
- > What documentation can we review?

Costs

- What is the programming horizon for your latest long-range plan?
- What is appropriate source of projects for your county?
- How will you propose projects for the last years of the Regional Transportation Plan (RTP)?





We also collected a number of documents

- ➤ Long-Range Transportation Plans (LRTPs)
- ➤ Short-Range Transportation Plans (SRTPs)
- > Summaries of financial forecasts
- > Forecasting model documentation
- > Guides to revenue sources
- > Sale tax measure forecasts and expenditure plans
- > Short-range transit plans and strategic plans

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We found that...

- > The degree of forecasting varies by county
- ➤ Forecasts are based on actual and estimated apportionments/allocations for the SAFETEA-LU period (2005-2009)
- ➤ Most long-range plans go through 2030
- > Some counties rely on outside forecasts (by UCLA, SCAG, Caltrans, etc.)
- > Forecasts may not be consistent across revenue sources (e.g., different forecasts for sales tax measures and Transportation Development Act)
- > Sales tax assumptions diverge (increasing per capita spending versus constant growth)
- > The county LRTPs do not fully reflect Metrolink's Capital Plan
- The county financial forecasts may assume a different population and business growth than the regional travel demand model



The agencies make different forecasting assumptions

- > Ability to meet air quality attainment goals
- > Impacts of additional transit revenue-miles
- ➤ Inclusion of debt service (financing costs)
- > Use of nominal or constant dollars

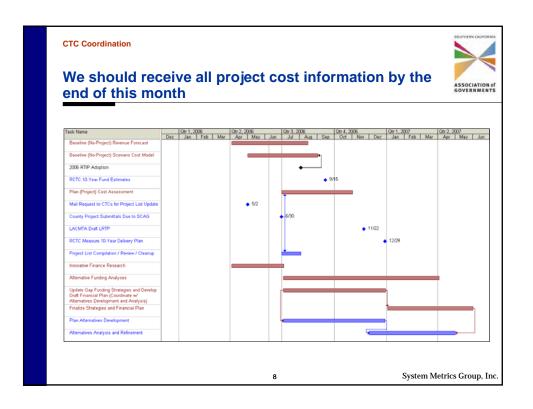
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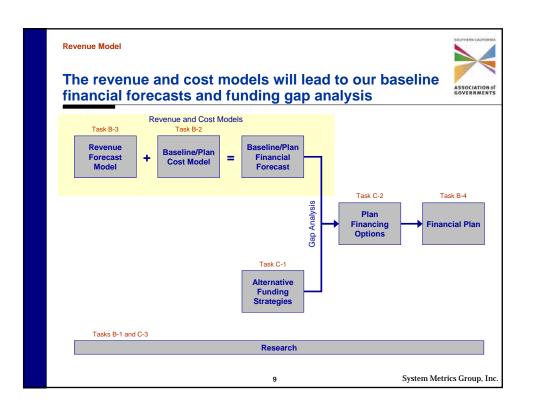
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The interviews also highlighted a few developments since the 2004 RTP

- Sales tax measure did not pass in Ventura County (may attempt again right after adoption of the next RTP in 2008)
- Expiration of Imperial County sales tax measure in 2009 and current marketing effort for renewal
- > Proposition 42 subvention
- > Decline in federal trust fund balance





Revenue Model



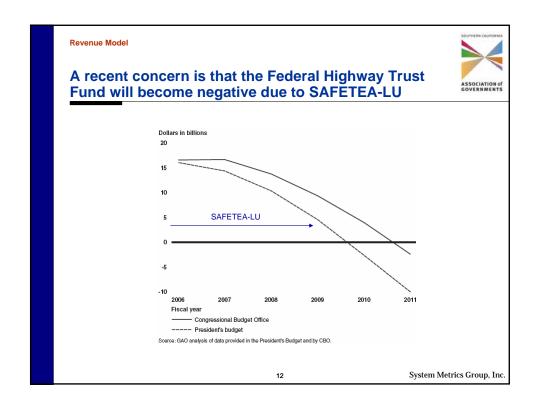
The revenue forecast model will include the primary transportation funding sources in the SCAG region

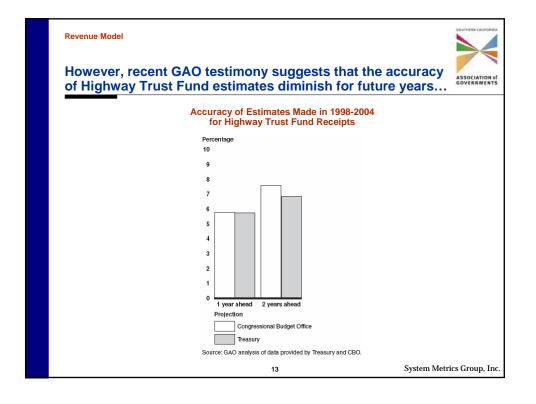
Federal	State	Local
Surface Transportation Program (STP)	State Transportation Improvement Program (STIP)	Transportation Development Act (TDA)
Congestion Mitigation and Air Quality Program (CMAQ) Transportation Enhancement Activities (TEA) 5307 & 5311 Formula Funds 5309 New Starts & Bus Discretionary Funds	State Highway Operation and Protection Program (SHOPP) State Transit Assistance (STA) Traffic Congestion Relief Program (TCRP)/Proposition 42	Sales Tax Measures Developer Mitigation Fees Transit Revenue (Farebox)
5309 Fixed Guideway Formula 5310 Paratransit Formula Funds		

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After the initial SAFETEA-LU period, revenue forecasts become less certain 2006 2009 2016 2020 2035 SAFETEA-LU Percent growth? Federal Formula Air quality attainment... Transit revenue-miles... Federal (Funding experience) Discretionary Recent funding? Fund Estimate STIP 2006 Ten-Year SHOPP Plan Extrapolate? SHOPP Historic growth? External forecasts? **TDA and Sales** Percent growth? Short-Range Transit Plans Transit Farebox System Metrics Group, Inc. 11







...which suggests that the shortfall is close to the forecasting margin of error

Highway Account Receipt and Outlay Estimates for 2006 through 2011, as of March 1, 2006

Estimates Dollars in Billions

		2006	2007	2008	2009	2010	2011	Average 2006-2011
Treasury/DOT	Receipts	\$34.1	\$34.6	\$35.4	\$36.2	\$36.9	\$37.6	\$35.8
	Outlays	\$34.5	\$38.2	\$39.7	\$40.8	\$41.8	\$42.3	\$39.6
	Difference	-\$0.40	-\$3.60	-\$4.30	-\$4.60	-\$4.90	-\$4.70	-\$3.80
СВО	Receipts	\$34.9	\$35.9	\$36.9	\$37.9	\$38.8	\$39.7	\$37.4
	Outlays	\$34.9	\$37.9	\$40.5	\$41.7	\$42.7	\$43.8	\$40.3
	Difference	\$0.00	-\$1.94	-\$3.58	-\$3.81	-\$3.89	-\$4.07	-\$2.90

Source: GAO analysis of data provided by DOT and CBO.

Congress is reviewing the accuracy of USDOT and CBO estimates and the impact of SAFETEA-LU expenditures

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Revenue Mode



There are a number of transit operators in the SCAG region

County	ID	Transit Operator	Total All Modes
LA	9008	Santa Monica' Big Blue Bus	73,003,534
	9010	City of Torrance Transit System	22,358,633
	9022	Norwalk Transit System	10,023,641
	9023	Long Beach Public Transportation Company	71.060.857
	9024	City of La Mirada Transit	170,220
	9039	Culver City Municipal Bus Lines	15,980,780
	9041	Montebello Bus Lines	33,993,300
	9042	City of Gardena Transportation Department	18,060,171
	9043	City of Commerce Municipal Bus	2,702,480
	9044	Arcadia Transit	508,066
	9121	Antelope Valley Transit Authority	38,236,671
	9146	Foothill Transit	100,130,693
	9147	City of Los Angeles Department of Transportation (LADOT)	83,104,561
	9154	Los Angeles County MTA	1,663,158,075
	9157	Access Services Incorporated	27,432,120
	9166	LACMTA small operators	24,737,111
	9171	Santa Clarita Transit	40,890,793
		LA COUNTY TOTAL	2,225,551,706
OR	9036	Orange County Transportation Authority	278,750,826
	9119	Laguna Beach	626,751
		OR COUNTY TOTAL	279,377,577
RV	9031	Riverside Transit Agency	44,510,989
	9052	City of Corona Dial-A-Ride	782,008
	9079	Sunline	29,969,789
	9086	City of Riverside Special Transportation	669,859
		RV COUNTY TOTAL	75,932,645
SB	9029	Omnitrans	81,578,755
	9148	Victor Valley Transit Authority	12,207,981
		SB COUNTY TOTAL	93,786,736
VE	9035	South Coast Area Transit	20,267,968
	9050	Simi Valley Transit	2,413,966
	9164	Ventura Intercity Service Transit Authority (VISTA)	6,021,209
	9165	Thousand Oaks Transit	1,222,757
		VE COUNTY TOTAL	29,925,900
VAR	9151	Southern California Regional Rail Authority (Metrolink)	364,526,307
		REGIONAL TOTAL	3,069,100,871

Source: National Transit Database

Revenue Model



We will focus on estimating farebox revenues for the large operators only...

- > Santa Monica Big Blue Bus
- ➤ Long Beach Public Transportation Company
- > Montebello Bus Lines
- ➤ Antelope Valley Transit Authority
- > Foothill Transit
- City of Los Angeles Department of Transportation (LADOT)
- ➤ Los Angeles County MTA

- > Santa Clarita Transit
- Orange County Transportation Authority
- > Riverside Transit Agency
- Sunline
- ➤ Omnitrans
- > South Coast Area Transit
- Southern California Regional Rail Authority (Metrolink)

And make a lump-sum estimate for the other operators

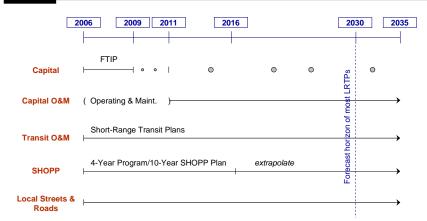
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Cost Model



For the cost model and assessment, we need to identify baseline and planned projects



We may also have to find projects for the period not covered by county LRTPs (from 2030 to 2035)

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Cost Model



SCAG is collecting more detailed cost information for the 2007/2008 RTP

1. Project Costs by Category

Project Costs by Category							
Engineering (07\$)	Right-of-Way (07\$)	Construction (07\$)	Total Costs (07\$)				
\$2,000,000	\$4,000,000	\$49,000,000	\$55,000,000				

2. Project Expenditures by Funding Source

Expenditures by Funding Source								
	Federal Funding		State Funding		Local Funding			
Federal Funding		State Funding	Source (if	Local Funding		Private Funding	Total Funding	
(07\$)	known)	(07\$)	known)	(07\$)	known)	(07\$)	(07\$)	Funding Comments
\$45,000,000	FHWA CMAQ	\$7,000,000	STIP	\$3,000,000	Other	\$0	\$55,000,000	

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We will need to consider the impact of recent increases in construction costs on our long-term forecast Construction Escalation Index Source: SANBAG Analysis 19 System Metrics Group, Inc.